

Quarterly Progress Report

Project Title:	Assess Impacts and Potential Benefits of Traffic Signal Priority for Buses		
RFP Number: 2000-28	NJDOT Research Project Manager: Nick Vitillo		
Task Order Number/Study Number: NCTIP-45	Principal Investigator: Daniel, Janice R.		
Period Starting: 1/02/002 - 06/30/02 (Start-End Date of Study)	Period Ending: 12/19/2002		

Task	% of Total	% of Task this quarter	% of Task to date	% of Total Complete
Phase I. Assemble, Review & Synthesize Literature	10%	35%	100%	10%
Task 1. Survey Existing Systems Using Priority	15%	50%	100	15%
Task 2. Identifying Promising Locations and Develop Plans	25%	50%	100	25%
Task 3. Assessment of Operational Plans	25%	80%	90	22.5%
Task 4. Prepare Reports	25%	15%	20%	5%
Final Report				
TOTAL	100 %			77. %

1. Progress this quarter by task:

During the fourth quarter, the research team has been involved in documenting what has been accomplished in the research. The literature review is continuing to be developed by Dr. Srinivasan. Dr. Daniel and Ed Lieberman have been working on fine tuning the simulation model for Broad Street. The research team intends to focus the development of operational test plans to Broad Street. Types of equipment available for implementing signal priority have been investigated. The experience of transit agencies with these equipment is being researched and the costs and capabilities of these technologies is being determined. In the original simulation model, only the AM peak hour volumes were available. Volumes in the PM peak hour is being requested from the City of Newark. The signal timings originally provided by the City of Newark showed poor performance and indicated that the signal timings provided may not be what is currently being used in the field. New signal timings were obtained from the field. These signal timings will be used in assessing the improvement of the arterial performance from existing conditions to conditions with signal priority.

2. Proposed activities for next quarter by task:

During the next quarter the researchers will complete a Draft Final Report. The intent of the research team is to have the completed draft final report by early in the first quarter. This draft final report will be distributed to the RSIP for review.

3. List of deliverables provided in this quarter by task (product date):

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None

4. Progress on implementation and training activities:

None

5. Problems/proposed solutions:

None

6. Budget summary:

Total Project Budget (# Years)	1 Year	\$281,008.00
Total Project Expenditure to date		\$27,945.00
% of Total Project Budget Expended		9.94%
Task Order Number/ Study Number	1 Year	NCTIP-45
Current Task Order Budget (# of Years)		\$138,109.00
Actual Expenditure to Date Against Current Task Order		\$27,945.00
% of Current Task Order Budget Expended		20.23%